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It is ideal for researchers, professionals, students, and instructors. Expert researchers will find the most recent progresses in nonlinear vibrations and stability of shells and plates, including advanced problems of shells with fluid-structure interaction. Professionals will find many practical concepts, diagrams, and numerical results, useful for the design of shells and plates made of traditional and advanced materials.

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The vibrations of laminated composite plate with a single rib is examined. The reference solution is taken from in order to verify the shell element model for a plate with composite stiffener. Numerical results are obtained for the clamped stiffened plate made of a carbon/epoxy composite material (AS1/3501-6).

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